

## ENHANCED DEVICE ALARMS IN A PROCESS CONTROL SYSTEM

### ABSTRACT OF THE DISCLOSURE

An alarm display and interface system method for use in a process control  
5 system enhances device alarm messages to enable the integrated display device alarms  
with process alarms. The system and method receives a device alarm message from a  
field device and the device alarm message has a first set of message fields including a  
first set of device information. The system and method appends a second set of  
10 message fields containing a second set of device information associated with the field  
device to the device alarm message based on the first set of device information to  
form an enhanced device alarm message and selects a device alarm table based on the  
second set of device information within the enhanced device alarm message. The  
system and method maps the first set of device information within the enhanced  
15 device alarm message to the selected device alarm table to identify a set of  
information fields containing displayable alarm information and displays a portion of  
the displayable alarm information.